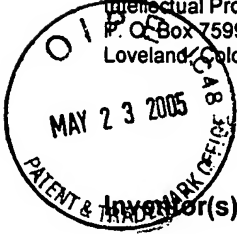


AGILENT TECHNOLOGIES, INC.
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ATTORNEY DOCKET NO. 10031260-01

DPW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Douglas J Dellinger, et al.

Serial No.: 10/652063

Examiner:

Filing Date: August 30, 2003

Group Art Unit:

Title: Cleavable Linker For Polynucleotide Synthesis

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- (a) ☒ Under 37 CFR 1.97(b).
(Within three months of filing national application; or date of entry of national application; or before mailing date of first Office action on the merits; whichever occurs last).
- (b) ☐ Under 37 CFR 1.97(c) together with *either* a:
☐ Statement under CFR 1.97(e), or
☐ \$180.00 fee under 37 CFR 1.17(p).
(After the CFR 1.97(b) time period, but before a final action or notice of allowance, whichever occurs first).
- (c) ☐ Under 37 CFR 1.97(d) together with: a
Statement under 37 CFR 1.97(e), *and*
\$180.00 fee as set forth in 37 CFR 1.17(p).
(After a final action or notice of allowance, whichever occurs first, but before payment of the issue fee).

☐ STATEMENT UNDER 37 CFR 1.97(e)

The undersigned certifies that:

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, or
- ☐ No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

☐ PRIOR APPLICATIONS

References identified with an asterisk (*) in the enclosed PTO Form 1449, were disclosed in prior Patent Application No. _____, filed _____, now U.S. Patent No. _____, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

☐ FOREIGN LANGUAGE DOCUMENTS

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

☐ **FEE AUTHORIZATION**

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

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Date of Facsimile:

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Signature: Barbara Lempert

Respectfully submitted,

Douglas J Dellinger, et al.

By Michael J Beck

Michael J Beck
Attorney/Agent for Applicant(s)

Reg. No. 40,907

Date: 5/19/05

Telephone No. 650 485 3864

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10031260-01SERIAL NO.
10/652063LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

APPLICANT

Douglas J Dellinger, et al.

FILING DATE

August 30, 2003

GROUP

(Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
		US2002/0045221A1	April 18, 2002	Dellinger et al.
		US2002/0055880A1	May 9, 2002	Unold et al.
		US2003/0129589A1	July 10, 2003	Koster et al.

FOREIGN PATENT DOCUMENT

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES NO	
		EP0241363	Oct 14, 1987	Molko et al.		
		WO92/10092	June 25, 1992	Fodor et al.		
		EP1428810A2	June 16, 2004	Southern et al.		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	Nyilas A., et al., "Synthesis of [3'(O)-5'(C)]Oxyacetamido Linked Nucleotides", Tetrahedron, Vol. 46, No. 6, 1990, pages 2149-2164.
	Sekine, et al., "Introduction of the 4, 4', 4"-Tris (Benzoyloxy)trityl group into the Exo Amino groups of deoxyribonucleotides and its properties" Tetrahedron, Vol. 41, No. 23, 1985, pages 5445-5453.
	Sekine, et al., "Synthesis of Short Oligoribonucleotides bearing a 3' - or 5' - terminal phosphate by use of 4, 4", 4" -tris (4, 5-dichlorophthalimido)trityl) as a new 5' -hydroxyl protecting group" J. Amer. Chem. Society, Vol. 108, 1986, Pages 4581-4586.

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	Mishra, Rakesh K. et al., "Protecting groups as purification tool in large-scale synthesis of small oligodeoxyribonucleotides", Indian Journal of Chemistry, 1988, 27B(9), 817-820
	Sekine et al., "Synthesis of Oligodeoxyribonucleotides Involving a Rapid Procedure for Removal of Base-Protecting Groups by Use of the 4,4', 4"- Tris(benzoyloxy) trityl (TBT) Group", Bull. Chem. Soc. Japan, Vol. 59, pages 1781-1789, (1986)
	Kamimura et al., "Synthesis of Dodecaribonucleotide, GUAUCAAUAAUG, by Use of "Fully" Protected Ribonucleotide Building Blocks", J. Am. Chem. Soc. 1984, Vol. 106, 4552-4557

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* Copies of these references are not enclosed Pursuant to 37 CFR 1.98(d). (See accompanying IDS)

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FOREIGN PATENT DOCUMENT

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES NO	

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	Will et al., "The Synthesis of Polyamide Nucleic Acids using a Novel Monomethoxytrityl Protecting-Group Strategy", Tetrahedron, Vol. 51, No. 44, pages 12069-12082, 1985
	Katzhendler et al., "The Effect of Spacer, Linkage and Solid Support on the Synthesis of Oligonucleotides", Tetrahedron, Vol. 45, No. 9, Pages 2777- 2792, 1989
	Iwase et al., "A New Method for the Synthesis of Capped Oligoribonucleotides by Use of an Appropriately Protected 7-Methylguanosine Diphosphate Derivative as a Donor for the Triphosphate Derivative as a Donor for the Triphosphate Bond Formation", Tetrahedron Letters, Vol. 29, No.24, pages 2969-2972, 1988

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